

# FXLED Field-Adjustable Floodlights



FXLEDXS



FXLEDS



FXLEDM



FXLEDL



PROJECT:

DATE:

TYPE:

PREPARED BY:



## KEY FEATURES

- Four models with selectable wattages:  
FXLEDXS: **80/60/40W** (Default 80W)  
FXLEDS: **168/132/97/69W** (Default 168W)  
FXLEDM: **346/213W** (Default 346W)  
FXLEDL: **534/445W** (Default 534W)
- CCT: Selectable **3000/4000K/5000K** (Default 4000K)
- Available in 120-277V and 480V
- Slipfitter** and **Trunnion** available on all models
- Available in bronze and white finish
- UL listed for wet location
- IP66** listed
- 0-10V** dimmable
- 10-year, no-compromise warranty

## Field-Adjustable CCT and Wattages



0-10V



100,000 HOURS



WET RATED



IP RATING



FIELD ADJUSTABLE

## PERFORMANCE

| FXLEDXS     | 3000K    | 4000   | 5000K  | 3000K | 4000  | 5000K | 3000K | 4000  | 5000K |
|-------------|----------|--------|--------|-------|-------|-------|-------|-------|-------|
| FA wattage  | 80W      | 80W    | 80W    | 60W   | 60W   | 60W   | 40W   | 40W   | 40W   |
| Input Watts | 81.4W    | 78.1W  | 81.2W  | 60.7W | 59W   | 61.1W | 42.1W | 41.0W | 42.1W |
| Lumens      | 11,077   | 11,956 | 11,400 | 8,713 | 9,352 | 9,075 | 6,315 | 6,619 | 6,521 |
| Efficacy    | 136.1    | 153.1  | 140.4  | 143.5 | 158.5 | 148.5 | 150.0 | 161.4 | 154.9 |
| CRI         | 82       | 85     | 84     | 82    | 85    | 84    | 83    | 86    | 84    |
| Voltage     | 120-277V |        |        |       |       |       |       |       |       |

| FXLEDXS     | 3000K  | 4000   | 5000K  | 3000K | 4000  | 5000K | 3000K | 4000  | 5000K |
|-------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| FA wattage  | 80W    | 80W    | 80W    | 60W   | 60W   | 60W   | 40W   | 40W   | 40W   |
| Input Watts | 81.6   | 78.3   | 81.5   | 62.4  | 60.5  | 62.5  | 40.9  | 40.2  | 40.9  |
| Lumens      | 11,219 | 12,083 | 11,529 | 8,856 | 9,467 | 9,187 | 5,927 | 6,230 | 6,149 |
| Efficacy    | 137.5  | 154.3  | 141.5  | 141.9 | 156.5 | 147.0 | 144.9 | 155.0 | 150.3 |
| CRI         | 82     | 85     | 84     | 83    | 86    | 84    | 83    | 86    | 84    |
| Voltage     | 480V   |        |        |       |       |       |       |       |       |

# FXLED Field-Adjustable Floodlights



## PERFORMANCE (CONTINUED)

| FXLEDs      | 3000K    | 4000   | 5000K  | 3000K  | 4000   | 5000K  | 3000K  | 4000   | 5000K  | 3000K  | 4000   | 5000K  |
|-------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FA wattage  | 168W     | 168W   | 168W   | 132W   | 132W   | 132W   | 97W    | 97W    | 97W    | 69W    | 69W    | 69W    |
| Input Watts | 166.1W   | 158.4W | 166.1W | 127.6W | 122.7W | 127.8W | 96.4W  | 93.6W  | 96.9W  | 72.4W  | 70.5W  | 72.4W  |
| Lumens      | 21,789   | 23,835 | 22,589 | 17,838 | 19,234 | 18,530 | 14,249 | 15,203 | 14,883 | 11,025 | 11,593 | 11,445 |
| Efficacy    | 131.2    | 150.5  | 136.0  | 139.8  | 156.8  | 145.0  | 147.8  | 162.4  | 153.6  | 152.3  | 164.4  | 158.1  |
| CRI         | 82       | 85     | 84     | 83     | 85     | 84     | 82     | 85     | 84     | 83     | 86     | 84     |
| Voltage     | 120-277V |        |        |        |        |        |        |        |        |        |        |        |

| FXLEDs      | 3000K  | 4000   | 5000K  | 3000K  | 4000   | 5000K  | 3000K  | 4000   | 5000K  | 3000K  | 4000   | 5000K  |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FA wattage  | 168W   | 168W   | 168W   | 132W   | 132W   | 132W   | 97W    | 97W    | 97W    | 69W    | 69W    | 69W    |
| Input Watts | 169.7  | 161.7  | 169.4  | 135.4  | 130.3  | 135.4  | 102.2  | 98.8   | 102.0  | 73.8   | 72.2   | 73.9   |
| Lumens      | 22,227 | 24,332 | 22,997 | 18,585 | 20,168 | 19,349 | 14,830 | 15,700 | 15,287 | 10,872 | 11,486 | 11,340 |
| Efficacy    | 131.0  | 150.5  | 135.8  | 137.3  | 154.8  | 142.9  | 145.1  | 158.9  | 149.9  | 147.3  | 159.1  | 153.5  |
| CRI         | 82     | 85     | 84     | 83     | 85     | 84     | 82     | 85     | 84     | 83     | 86     | 84     |
| Voltage     | 480V   |        |        |        |        |        |        |        |        |        |        |        |

| FXLEDm      | 3000K    | 4000   | 5000K  | 3000K  | 4000   | 5000K  | 3000K  | 4000   | 5000K  | 3000K  | 4000   | 5000K  |
|-------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FA wattage  | 346W     | 346W   | 346W   | 213W   | 213W   | 213W   | 346W   | 346W   | 346W   | 213W   | 213W   | 213W   |
| Input Watts | 340.8    | 324.0  | 340.1  | 205.6  | 198.9  | 206.0  | 341.5  | 324.9  | 341.7  | 220.5  | 213.0  | 220.6  |
| Lumens      | 44,342   | 48,128 | 45,120 | 29,672 | 31,803 | 30,750 | 44,784 | 49,146 | 46,865 | 31,553 | 33,978 | 32,900 |
| Efficacy    | 130.1    | 148.5  | 132.7  | 144.3  | 159.9  | 149.3  | 131.1  | 151.3  | 137.2  | 143.1  | 159.5  | 149.1  |
| CRI         | 82       | 85     | 84     | 82     | 85     | 84     | 82     | 85     | 84     | 82     | 85     | 84     |
| Voltage     | 120-277V |        |        |        |        |        | 480V   |        |        |        |        |        |

| FXLEDL      | 3000K    | 4000   | 5000K  | 3000K  | 4000   | 5000K  | 3000K  | 4000   | 5000K  | 3000K  | 4000   | 5000K  |
|-------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FA wattage  | 534W     | 534W   | 534W   | 445W   | 445W   | 445W   | 534W   | 534W   | 534W   | 445W   | 445W   | 445W   |
| Input Watts | 545.8    | 520.2  | 544.5  | 452.7  | 433.9  | 453.2  | 530.0  | 505.8  | 529.4  | 452.4  | 434.0  | 452.3  |
| Lumens      | 70,455   | 76,501 | 72,519 | 61,068 | 65,969 | 63,416 | 69,956 | 76,088 | 72,219 | 61,707 | 66,651 | 64,054 |
| Efficacy    | 129.1    | 147.1  | 133.2  | 134.9  | 152.0  | 139.9  | 132.0  | 150.4  | 136.4  | 136.4  | 153.6  | 141.6  |
| CRI         | 83       | 85     | 84     | 82     | 85     | 85     | 83     | 85     | 84     | 82     | 85     | 84     |
| Voltage     | 120-277V |        |        |        |        |        | 480V   |        |        |        |        |        |

# FXLED Field-Adjustable Floodlights



## TECHNICAL SPECIFICATIONS

### COMPLIANCE

#### UL Listed

Suitable for wet locations. Suitable for mounting within 4 feet of the ground.

#### DLC Listed

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

| MODEL#    | DLC ID   | MODEL#        | DLC ID   |
|-----------|----------|---------------|----------|
| FXLEDXS   | S-58ZG8W | FXLEDXS/480   | S-NXH1B5 |
| FXLEDS    | S-R3VGNX | FXLEDS/480    | S-P9KNR7 |
| FXLEDM    | S-5YR4RW | FXLEDM/480    | S-3X2W6W |
| FXLEDMB33 | S-K4LY03 | FXLEDMB33/480 | S-T6BLV6 |
| FXLEDMB55 | S-KJ5RH0 | FXLEDMB55/480 | S-7VGYS  |
| FXLEDL    | S-C9M918 | FXLEDL/480    | S-4QD865 |
| FXLEDLB33 | S-ZK3H90 | FXLEDLB33/480 | S-H8YZPM |
| FXLEDLB55 | S-GZ0NBT | FXLEDLB55/480 | S-R33955 |

### CONSTRUCTION

#### Cold Weather Starting

Minimum starting temperature is -40°C (-40°F)

#### Maximum Ambient Temperature

Suitable for use in up to 40°C (104°F)

#### Housing

Die-cast aluminum

#### Mounting

Slipfitter, Trunnion

#### Tilt increment:

Slipfitter: 5°

Trunnion: 30°

#### Lens

Optical lens is polycarbonate with tempered glass on the top.

#### Reflector

Polyethylene terephthalate

#### Gaskets

High temperature silicone

#### IP Rating

Ingress protection rating of IP66 for dust and water

#### Vibration Rating

3G vibration rating per ANSI C136.31

#### Effective Project Area (EPA)

| MODEL#  | EPA w/SLIPFITTER | EPA w/TRUNNION |
|---------|------------------|----------------|
| FXLEDXS | 0.31             | 0.25           |
| FXLEDS  | 0.42             | 0.32           |
| FXLEDM  | 0.61             | 0.52           |
| FXLEDL  | 1.02             | 1.02           |

#### Green Technology

Mercury and UV free. RoHS-compliant components.

#### Finish

Formulated for high durability and long lasting color. Available in bronze & white finish.

### ELECTRICAL

#### Drivers

Constant Current, Class 1, 120-277V, 50/60 Hz

#### FXLEDXS

80W: 120V: 0.69A, 208V: 0.42A, 240V: 0.37A, 277V: 0.33A

60W: 120V: 0.52A, 208V: 0.33A, 240V: 0.30A, 277V: 0.28A

40W: 120V: 0.36A, 208V: 0.24A, 240V: 0.23A, 277V: 0.22A

#### FXLEDS

168W: 120V: 1.44A, 208V: 0.82A, 240V: 0.71A, 277V: 0.62A

132W: 120V: 1.10A, 208V: 0.64A, 240V: 0.56A, 277V: 0.50A

97W: 120V: 0.83A, 208V: 0.49A, 240V: 0.43A, 277V: 0.38A

69W: 120V: 0.60A, 208V: 0.36A, 240V: 0.32A, 277V: 0.30A

#### FXLEDM

346W: 120V: 3.00A, 208V: 1.68A, 240V: 1.50A, 277V: 1.28A

213W: 120V: 1.78A, 208V: 1.00A, 240V: 0.90A, 277V: 0.80A

#### FXLEDL

534W: 120V: 4.55A, 208V: 2.60A, 240V: 2.30A, 277V: 2.00A

445W: 120V: 3.75A, 208V: 2.15A, 240V: 1.90A, 277V: 1.68A

#### Surge Protection

L/N: 6kV, L/N-PE: 6kV

#### Drivers

Constant Current, Class 1, 480V, 50/60 Hz

#### FXLEDXS

80W: 480V: 0.18A

60W: 480V: 0.14A

40W: 480V: 0.10A

#### FXLEDS

168W: 480V: 0.37A

132W: 480V: 0.30A

97W: 480V: 0.24A

69W: 480V: 0.19A

#### FXLEDM

346W: 480V: 0.74A

213W: 480V: 0.50A

#### FXLEDL

534W: 480V: 1.15A

445W: 480V: 0.99A

#### Dimming Driver

Driver includes dimming control wiring for 0-10V dimming systems.

Requires separate 0-10V DC dimming circuit. Dims down to 10%.

#### THD / Power Factor @4000K

| MODEL#  | WATTS | THD  | PF    | THD  | PF    | THD   | PF    |
|---------|-------|------|-------|------|-------|-------|-------|
|         |       | 120V |       | 277V |       | 480V  |       |
| FXLEDXS |       | 5.9% | 99.6% | 9.1% | 96.3% | 15.1% | 94.5% |
| FXLEDS  | 168W  | 5.9% | 99.7% | 8.0% | 95.4% | 12.7% | 94.6% |
| FXLEDM  | 346W  | 8.9% | 99.4% | 7.2% | 97.0% | 11.4% | 96.1% |
| FXLEDL  | 534W  | 5.8% | 99.7% | 6.0% | 98.4% | 11.8% | 95.9% |

# FXLED Field-Adjustable Floodlights



## TECHNICAL SPECIFICATIONS

### LED CHARACTERISTICS

#### LEDs

Long-life, high-efficacy, surface-mount LEDs

#### Color Uniformity

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standards for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

#### Color Consistency

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### Color Stability

LED color temperature is warrantied to shift no more than 200K in color temperature over a 10-year period

### OPTICAL

#### NEMA Type

NEMA Beam Spread:

6H x 6V for XS & S

7H x 6V for M & L

### OTHER

#### Warranty

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty). to be made BAA compliant.

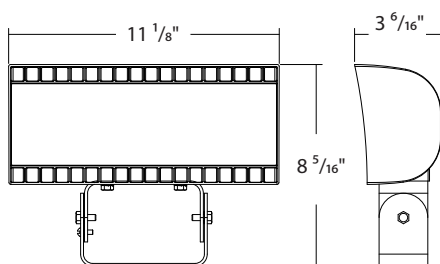
#### Lifespan

100,000-hour LED lifespan based on IES LM-80 results and -21 calculations

## DIMENSIONS

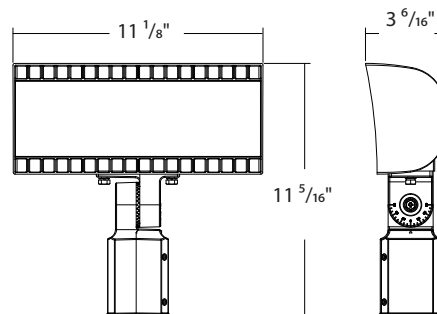
### FXLEDXST : 80/60/40W

Weight 6.28 lbs



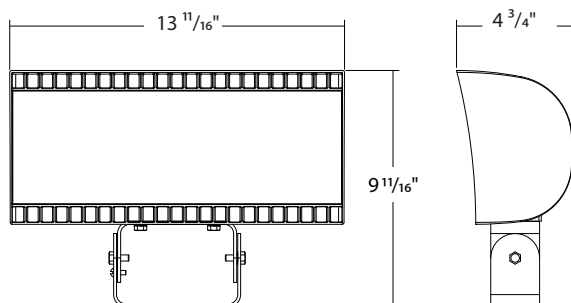
### FXLEDSSF : 80/60/40W

Weight 5.95 lbs



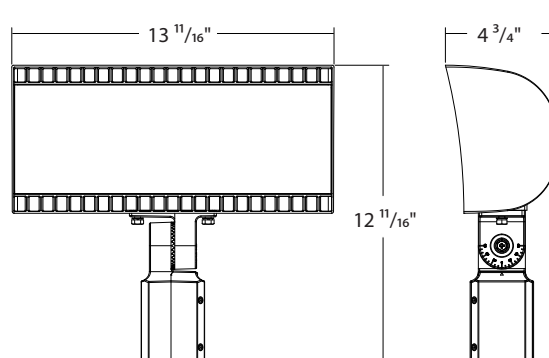
### FXLEDST : 169W/132W/97W/69W

Weight 10.6 lbs



### FXLEDSSF : 169W/132W/97W/69W

Weight 10.6 lbs



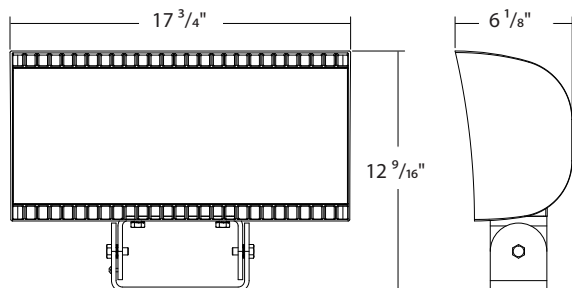
# FXLED Field-Adjustable Floodlights



## DIMENSIONS

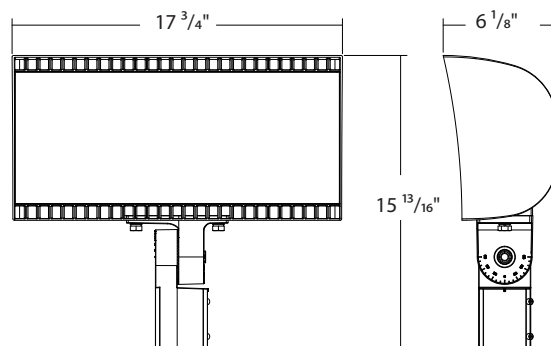
### FXLEDMT : 346W/213W

Weight 24.2 lbs



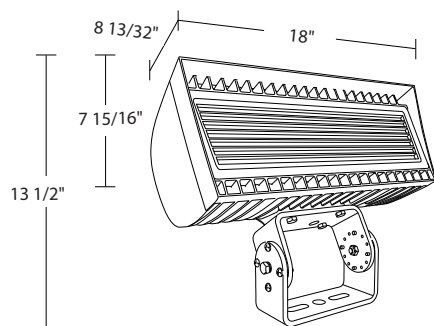
### FXLEDMSF : 346W/213W

Weight 21.9 lbs



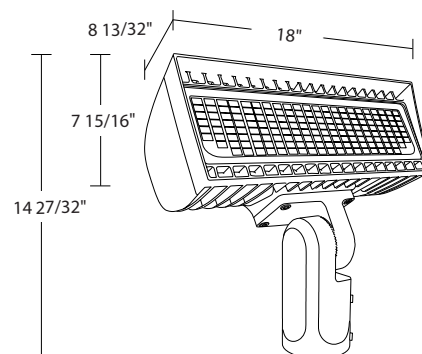
### FXLEDMB33T / FXLEDMB55T : 346W/213W

Weight 35.6 lbs (With Trunnion Mount)



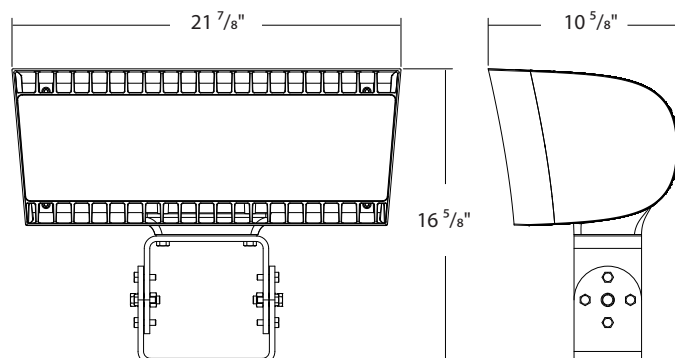
### FXLEDMB33SF / FXLEDMB55SF: 346W/213W

Weight 31.7 lbs (With Slipfitter mount)



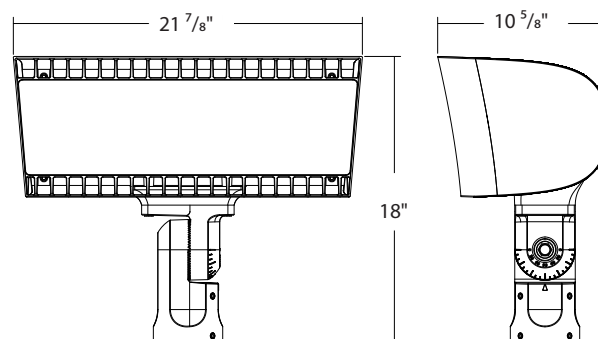
### FXLEDLT : 534W/445W

Weight 53.7 lbs



### FXLEDLSF : 534W/445W

Weight 47.7 lbs



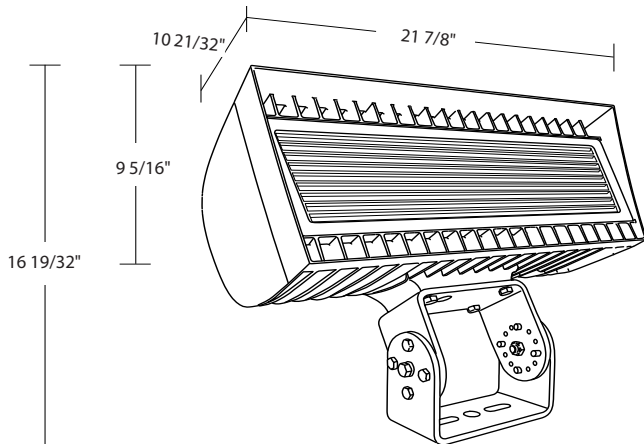
# FXLED Field-Adjustable Floodlights



## DIMENSIONS

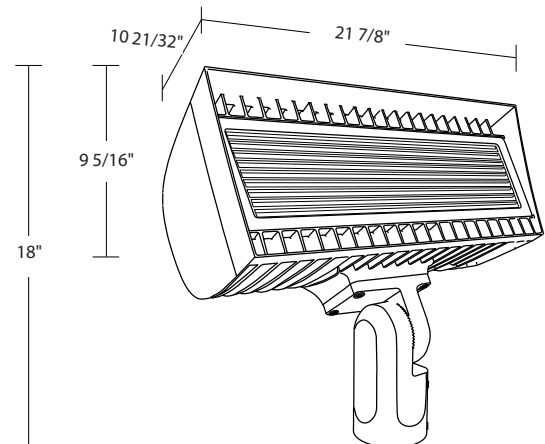
### FXLEDLB33T / FXLEDLB55T : 534W/445W

Weight 59 lbs (With Trunnion Mount)



### FXLEDLB33SF / FXLEDLB55SF : 534W/445W

Weight 54.6 lbs (With Slipfitter Mount)



## ORDERING MATRIX

### FXLED

| Family       | Size / Selectable Watts | Color Temperature                    | NEMA Type                                  | Mounting             | Finish              | Driver**               | Options                |
|--------------|-------------------------|--------------------------------------|--------------------------------------------|----------------------|---------------------|------------------------|------------------------|
| <b>FXLED</b> |                         |                                      |                                            |                      |                     |                        |                        |
| XS           | 80/60/40W               | <b>BLANK</b> 3000/4000/5000K         | <b>BLANK</b> 6H x 6V (XS & S) <sup>1</sup> | <b>SF</b> Slipfitter | <b>BLANK</b> Bronze | <b>BLANK</b> 120-277V, | <b>BLANK</b> No Option |
| S            | 168/132/97/69W          | CCT Adjustable                       | or 7H x 6V (M & L) <sup>2</sup>            | Trunnion             | White               | 0-10V Dimming          | 7 Pin Receptacle       |
| M            | 346/213W                | <b>BLANK</b> 4000/5000K * <b>B33</b> | 3H x 3V (M & L) <sup>2,3</sup>             |                      |                     | 480V,                  |                        |
| L            | 534/445W                | CCT Adjustable <b>B55</b>            | 5H x 5V (M & L) <sup>2,3</sup>             |                      |                     | 0-10V Dimming          |                        |

<sup>1</sup> Available on extra small (XS) and small (S) sizes only

<sup>2</sup> Available on medium (M) and large (L) sizes only

<sup>3</sup> B33 & B55 only available in 4000/5000K CCT

\* 4000/500K adjustable CCT not available on 6H x 6V and 7H x 6V optics